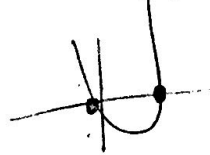


Finding Solutions of Quadratics - Mixed Practice

A. State which method you are using (Graphing, Quadratic Formula, Factoring and Z.P.P. or taking square root)

B. Find the solutions. SHOW YOUR WORK!



At least 3 of
each method
⇒ 1 of each on
trifold

1. $x^2 - 16x + 64 = 0$

2. $x^2 = 3x$

3. $9x^2 - 24x + 16 = 0$

4. $x^2 - 3x = 40$

5. $3x^2 + 9x - 2 = 0$

6. $2x^2 + 7x = 0$

7. $5x^2 - 2x + 4 = 0$

8. $12x^2 - x - 6 = 0$

9. $7x^2 + 6x + 2 = 0$

10. $12x^2 + 2x - 4 = 0$

11. $6x^2 - 2x - 1 = 0$

12. $x^2 + 3x + 6 = 0$

13. $4x^2 - 3x - 6 = 0$

14. $16x^2 - 8x + 1 = 0$

15. $2x^2 - 5x - 6 = 0$

16. $7x^2 - 5x = 0$

17. $4x^2 - 9 = 0$

18. $3x^2 + 8x = 3$

19. $x^2 - 21 = 4x$

20. $3x^2 - 13x + 4 = 0$

21. $15x^2 + 22x = -8$

22. $x^2 - 6x + 3 = 0$

23. $x^2 - 14x + 53 = 0$

24. $3x^2 = -54$

25. $25x^2 - 20x - 6 = 0$

26. $4x^2 - 4x + 17 = 0$

27. $8x - 1 = 4x^2$

28. $x^2 = 4x - 15$

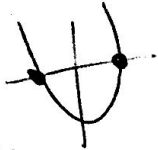
29. $4x^2 - 12x + 7 = 0$

Finding Solutions Trifold

3 of each

Your trifold should include 3 problems, each solved using a different solution method (graphing, quadratic formula, or factoring and the zero product property). Use problems from today's classwork. It is important that you explain *why* each function is best suited to the solution style that you chose for it. Your trifold should also be organized and show your work.

Example layout:

<u>Graphing</u>	<u>Factoring and Z.P.P.</u>	<u>Quadratic Formula</u>
<p>y=</p>  <p>Graph and solutions</p> <ul style="list-style-type: none"> Graphing is the smartest choice for this particular problem because... 	<p>y=</p> <p>Math and solutions</p> <ul style="list-style-type: none"> Factoring is the smartest choice for this particular problem because... 	<p>y=</p> <p>Math and solutions</p> <ul style="list-style-type: none"> The quadratic formula is the smartest choice for this particular problem because...

2nd Trace

2! Zero

Blinky or point

left arrow, enter

Cross over x-axis (right arrow)

Enter - Enter.